

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/002851

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A47F3/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A47F F25D F25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
WPI Data, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 671 319 A (BORTZ HARRY A) 9 March 1954 (1954-03-09)	1-4
Y	column 2, line 5 -column 4, line 17; figures	5-12
X	US 4 135 369 A (ALLGEYER DAVID F ET AL) 23 January 1979 (1979-01-23) abstract; figures column 4, line 54 -column 6, line 20	1,2,4
Y	FR 2 678 718 A (SELNOR) 8 January 1993 (1993-01-08) abstract; figures	5,6
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

22 June 2004

Date of mailing of the international search report

12/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

MacCormick, D

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/002851

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 765 391 A (LEE MYUNG RYUL ET AL) 16 June 1998 (1998-06-16) abstract; figures column 2, line 30 -column 3, line 8 -----	7-12
A	GB 653 760 A (FREDERICK GEORGE MARSHALL;C S A IND LTD) 23 May 1951 (1951-05-23) the whole document -----	1-12

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/002851

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2671319	A	09-03-1954	NONE	
US 4135369	A	23-01-1979	NONE	
FR 2678718	A	08-01-1993	FR 2678718 A1	08-01-1993
US 5765391	A	16-06-1998	CN 1159555 A , B	17-09-1997
			DE 19647011 A1	15-05-1997
			JP 3045382 B2	29-05-2000
			JP 9170832 A	30-06-1997
GB 653760	A	23-05-1951	NONE	